

# LMD Series

## Miniature Stages

The LMD customizable gantry series features incremental encoder feedback and stable motion, with configurable stroke, speed, and acceleration for various applications.



### Features

- Adopt Han's brand U-type linear motor and ACS high-performance control system
- It is suitable for precision inspection, printing plate making and other applications
- ACS, ELMO, Servotronix driver, RENISHAW absolute grating (0.1  $\mu\text{m}$ ) and THK or WON guide rail
- The base and beam are made of marble, fixed gantry structure, strong load capacity and good stability
- High-precision granite gantry stage can be customized according to customer requirements, with optional Z-axis expansion

## Applications

- 3C Devices
- Display Panels
- Semiconductors
- Medical Equipment
- Precision Machine Tools
- PCB Equipment and Other Applications

## Parameter

	X-axis (Lower axis)	Y-axis (crossbeam axis)
Stroke (mm)	2700	2850
Max. Velocity (m / s)	1	1
Acceleration (g)	0.4	0.4
Repeat Accuracy (μm)	± 0.75 μm	± 1.15 μm
Positional Accuracy (μm)	± 2 μm / 1.5 m	± 2 μm / 1.5 m
Velocity Fluctuation	< 0.3 %	< 0.3 %
Acceleration and Deceleration Vibration	Smooth without Vibration	Smooth without Vibration
Horizontal Straightness (μm)	7.7	7.53
Vertical Straightness (μm)	7.07	6.96
Load (kg)	100	140
X-Y Verticality (mm)	0.01	

\* All specifications are typical data and subject to change without notice due to product improvements.